Amendments to the Claims

Please amend Claims 1-3, 6, 8, 11, 13, 17-19 and 22-24, as follows:

1. **(Currently Amended)** A method comprising:

receiving input data comprising **one or more** ~~**a plurality of**~~ integration object**[[s]]** **instances**, wherein

an integration object comprises a schema of a set of data, wherein

the schema comprises a plurality of integration object components,

the plurality of integration object**[[s]]** **components** are hierarchically related,

~~**each of the plurality of integration objects comprises information,**~~

the plurality of integration object**[[s]]** **components** comprises **[[a]]** first and second integration object **components**, and

the second integration object **component** is a child **component** ~~**object**~~ of the first integration object **component,[[;]]** and

an integration object instance comprises data organized in a structure defined by the integration object, wherein

the data is extracted from a first database,

the data comprises a first and second integration object instance component each respectively corresponding to the first and the second integration object component; and

modifying a database in response to the input data, the modifying comprising

comparing a first database record with the first integration object **component**,

modifying the first database record using the information associated with the first integration object **instance component**, if the first database record matches information associated with the first integration object **component**,

finding one or more child database records associated with the first database record,

modifying one or more of the child database records using the information associated with the second integration object **instance component**, if the second integration object **component** comprises a record matching a corresponding record in the one of the one or more child database records, and

inserting a new database record comprising the information associated with the second integration object **instance component**, if the second integration object **component** does not comprise a record matching a corresponding record in one of the one or more child database records, wherein

the one or more child database records comprises the new database record.

2. **(Currently Amended)** The method of claim 1, wherein the database modification process further comprises:

deleting a record from the one or more child database records, if the record does not have a matching integration object **component** in the hierarchy.

3. **(Currently Amended)** The method of claim 1, wherein finding the first database record matching the first integration object **component** comprises:

extracting a userkey related to an object type of the first integration object **component**;

utilizing the userkey to find the first database record.

4. (Previously Presented) The method of claim 3 wherein:

the finding comprises utilizing SQL queries directed to the database.

5. (Previously Presented) The method of claim 2 wherein:

the deleting further comprises cascaded deleting.

6. **(Currently Amended)** A method comprising:

receiving input data comprising **one or more** ~~**a plurality of**~~ integration object**[[s]]** **instances**, wherein

an integration object comprises a schema of a set of data, wherein

the schema comprises a plurality of integration object components,

the plurality of integration object**[[s]]** **components** are hierarchically related,

~~**each of the plurality of integration objects comprises components,**~~

the plurality of integration object**[[s]]** **components** comprises **[[a]]** first and second integration object **components**, and

the second integration object **component** is a child **component** ~~**object**~~ of the first integration object **component,[[;]]** and

an integration object instance comprises data organized in a structure defined by the integration object, wherein

the data is extracted from a first database,

the data comprises a first and second integration object instance component each respectively corresponding to the first and the second integration object component; and

modifying the plurality of integration object**[[s]]** **instances** using a database, said modifying comprising

comparing a first database record with the first integration object **component**,

modifying the first integration object **instance component** using data from the first database record, if the first database record matches information associated with the first integration object **component**,

finding one or more child database records associated with the first database record,

modifying the second integration object **instance component** using data from one of the one or more child database records, if the second

integration object **component** comprises a record matching a corresponding record in the one of the one or more child database records, and

inserting a new integration object **component instance** comprising data from one of the one or more child database records, if the one of the one or more child database records does not comprise a record matching a corresponding record in the second integration object **component**, wherein

the new integration object **component instance** is a child of the first integration object **component instance**.

7. Canceled.

8. **(Currently Amended)** The method of claim 6 wherein the finding the first database record matching the first integration object **component** comprises:

extracting a userkey related to an object type of the first integration object **component**; and

utilizing the userkey to find the first database record.

9-10. Canceled.

11. **(Currently Amended)** An apparatus comprising:

means for receiving input data comprising **one or more** ~~a plurality of~~ integration object[[s]] **instances**, wherein

an integration object comprises a schema of a set of data, wherein

the schema comprises a plurality of integration object components,

the plurality of integration object[[s]] **components** are hierarchically related,

~~each of the plurality of integration objects comprises components,~~

the plurality of integration object[[s]] **components** comprises [[a]] first and second integration object **components**, and

the second integration object **component** is a child **component** ~~**object**~~ of the first integration object **component**,[[;]] and

an integration object instance comprises data organized in a structure defined by the integration object, wherein

the data is extracted from a first database,

the data comprises a first and second integration object instance component each respectively corresponding to the first and the second integration object component; and

means for modifying the plurality of integration object[[s]] **instances** using a database, the **means for** modifying comprising

means for comparing a first database record with the first integration object **component**,

means for modifying the first integration object **instance component** using data from the first database record, if the first database record matches information associated with the first integration object **component**,

means for finding one or more child database records associated with the first database record,

means for modifying the second integration object **instance component** using data from one of the one or more child database records, if the second integration object **component** comprises a record matching a corresponding record in the one of the one or more child database records, and

means for inserting a new integration object **component instance** comprising data from one of the one or more child database records, if the one of the one or more child database records does not comprise a record matching a corresponding record in the second integration object **component**, wherein

the new integration object **component instance** is a child of the first integration object **component instance**.

12. Canceled.

13. **(Currently Amended)** The apparatus of claim 11 wherein the means for finding the first database record matching the first integration object **component** comprises:

means for extracting a userkey related to an object type of the first integration object **component**; and

means for utilizing the userkey to find the first database record.

14-16. Canceled.

17. **(Currently Amended)** A machine-readable medium embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, the method comprising:

receiving input data comprising **one or more** ~~**a plurality of**~~ integration object**[[s]]** **instances**, wherein

an integration object comprises a schema of a set of data, wherein

the schema comprises a plurality of integration object components,

the plurality of integration object**[[s]]** **components** are hierarchically related,

~~**each of the plurality of integration objects comprises information,**~~

the plurality of integration object**[[s]]** **components** comprises **[[a]]** first and second integration object **components**, and

the second integration object **component** is a child **component** ~~**object**~~ of the first integration object **component,[[;]]** and

an integration object instance comprises data organized in a structure defined by the integration object, wherein

the data is extracted from a first database,

the data comprises a first and second integration object instance component each respectively corresponding to the first and the second integration object component; and

modifying a database in response to the input data, the modifying comprising

comparing a first database record with the first integration object **component**,

modifying the first database record using the information associated with the first integration object **instance component**, if the first database record matches information associated with the first integration object **component**,

finding one or more child database records associated with the first database record,

modifying one or more of the child database records using the information associated with the second integration object **instance component**, if the second integration object **component** comprises a record matching a corresponding record in the one of the one or more child database records, and

inserting a new database record comprising the information associated with the second integration object **instance component**, if the second integration object **component** does not comprise a record matching a corresponding record in one of the one or more child database records, wherein

the one or more child database records comprises the new database record.

18. **(Currently Amended)** The machine readable medium of claim 17, further embodying instructions, which, when executed by the processor, cause the processor to perform the method, wherein the database modification process further comprises:

deleting a record from the one or more child database records, if the record does not have a matching integration object **component** in the hierarchy.

19. **(Currently Amended)** The machine readable medium of claim 17, further embodying instructions, which, when executed by the processor, cause the processor to perform the method wherein finding the first database record matching the first integration object **component** comprises:

extracting a userkey related to an object type of the first integration object **component**;

utilizing the userkey to find the first database record.

20. (Previously Presented) The machine readable medium of claim 19, further embodying instructions, which, when executed by the processor, cause the processor to perform the method wherein:

the finding includes utilizing SQL queries directed to the database.

21. (Previously Presented) The machine readable medium of claim 20, further embodying instructions, which, when executed by the processor, cause the processor to perform the method wherein:

the deleting further includes cascaded deleting.

22. **(Currently Amended)** A system comprising:

a memory;

an interface, coupled to the memory, configured to receive input data comprising

one or more ~~a plurality of~~ integration object**[[s]]** **instances**, wherein

an integration object comprises a schema of a set of data, wherein

the schema comprises a plurality of integration object components,

the plurality of integration object**[[s]]** **components** are hierarchically related,

~~each of the plurality of integration objects comprises information,~~

the plurality of integration object**[[s]]** **components** comprises **[[a]]** first and second integration object **components**, and

the second integration object **component** is a child **component** **~~object~~** of the first integration object **component,[[;]]** and

an integration object instance comprises data organized in a structure defined by the integration object, wherein

the data is extracted from a first database,

the data comprises a first and second integration object instance component each respectively corresponding to

the first and the second integration object component; and

a processor, coupled to the interface, configured to modify a database in response to the input data, wherein to modify the database the processor is further configured to

compare a first database record matching with the first integration object **component**,

modify the first database record using the information associated with the first integration object **instance component**, if the first database record matches information associated with the first integration object **component**,

find one or more child database records associated with the first database record,

modify one or more of the child database records using the information associated with the second integration object **instance component**, if the second integration object **component** comprises a record matching a corresponding record in the one of the one or more child database records, and

insert a new database record comprising the information associated with the second integration object **instance component**, if the second integration object **component** does not comprise a record matching a corresponding record in one of the one or more child database records, wherein

the one or more child database records comprises the new database record.

23. **(Currently Amended)** The system of claim 22 wherein to modify the database, the processor is further configured to

delete a record from the one or more child database records, if the record does not have a matching integration object **component** in the hierarchy.

24. **(Currently Amended)** The system of claim 22 wherein to find the first database record matching the first integration object **component**, the processor is further configured to

extract a userkey related to an object type of the first integration object **component**, and

utilize the userkey to find the first database record.

25. (Previously Presented) The system of claim 24 wherein to find the database records, the processor is further configured to:

utilize SQL queries directed to the database.

26. (Previously Presented) The system of claim 23 wherein to delete the record, the processor is further configured to:

cascade delete.

27-33. Canceled.